

Date Mailed: March 2, 2004

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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 163.896USC3	Application Number: 10/696,317
	Applicant: LENTSCH ET AL.	
	Filing Date: 10/28/2003	Group Art Unit: 1751

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>dm</i>	2,164,092	06/27/1939	Smith	—	—	
	2,382,163	08/14/1945	MacMahon	—	—	
	2,559,583	07/10/1951	Barker	—	—	
	2,559,584	07/10/1951	Barker	—	—	
	2,561,392	07/24/1951	Marshall	—	—	
	2,584,056	01/29/1952	Soule et al.	—	—	
	2,584,057	01/29/1952	Soule et al.	—	—	
	2,665,256	01/05/1954	Barker	—	—	
	2,824,091	02/18/1958	Desty et al.	—	—	
	3,046,232	07/24/1962	Bonewitz	—	—	
	3,066,354	12/04/1962	Chaffee et al.	—	—	
	3,233,986	02/08/1966	Morchouse	—	—	
	3,324,038	06/06/1967	Chaffee et al.	—	—	
	3,342,740	09/19/1967	Kuzmicrozak et al.	—	—	
	3,366,571	01/30/1968	Cooper et al.	—	—	
	3,398,219	08/20/1968	Kelly et al.	—	—	
	3,554,915	01/12/1971	Keay et al.	—	—	
	3,741,913	06/26/1973	Stenungsund	—	—	
	3,746,653	07/17/1973	Churchfield	—	—	
	3,803,285 3,803,285	04/09/1974	Jensen	—	—	
	3,858,854	01/07/1975	Win et al.	—	—	
	3,957,661	05/18/1976	Verite	—	—	
	3,962,119	06/08/1976	Cosentino et al.	—	—	
	4,105,573	08/08/1978	Jacobsen	—	—	
	4,119,578	10/10/1978	Deninckx et al.	—	—	
	4,136,045	01/23/1979	Gault et al.	—	—	
	4,203,857	05/20/1980	Dugan	—	—	
✓	4,219,435	08/26/1980	Biard et al.	—	—	

EXAMINER <i>Donna M. Duggan</i>	DATE CONSIDERED <i>3-4-04</i>
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<i>len</i>	4,219,436	08/26/1980	Gromer et al.	—	—
	4,242,217	12/30/1980	Westermann et al.	—	—
	4,265,777	05/05/1981	Boyer et al.	—	—
	4,289,525	09/15/1981	Pastorela et al.	—	—
	4,370,250	01/25/1983	Joshi	—	—
	4,427,558	01/24/1984	David	—	—
	4,510,110	04/09/1985	Mazzoni	—	—
	4,517,107	05/14/1985	Clarke et al.	—	—
	4,541,831	09/17/1985	Gunther et al.	—	—
	4,569,780	02/11/1986	Fernholz et al.	—	—
	4,569,781	02/11/1986	Fernholz et al.	—	—
	4,587,029	05/06/1986	Brooks	—	—
	4,601,844	07/22/1986	Cilley	—	—
	4,615,819	10/07/1986	Leng et al.	—	—
	4,624,713	11/25/1986	Morganson et al.	—	—
	4,654,161	03/31/1987	Kollmeier et al.	—	—
	4,722,802	02/02/1988	Hutchings et al.	—	—
	4,725,376	02/16/1988	Copeland	—	—
	4,753,755	06/28/1988	Gansser	—	—
	Re. 32,818	01/03/1989	Fernholz et al.	—	—
	4,798,724	01/17/1989	Khanna	—	—
	4,818,421	04/04/1989	Boris et al.	—	—
	4,820,440	04/11/1989	Hemm et al.	—	—
	4,820,449	04/11/1989	Menke et al.	—	—
	4,822,854	04/18/1989	Ciolino	—	—
	4,846,989	07/11/1989	Killa	—	—
	4,861,518	08/29/1989	Morganson et al.	—	—
	4,879,051	11/07/1989	Lo et al.	—	—
	4,879,063	11/07/1989	Wood-Rethwill et al.	—	—
	4,919,838	04/24/1990	Tibbetts et al.	—	—
	4,931,202	06/05/1990	Cotter et al.	—	—
✓	4,933,100	06/12/1990	Ramachandran	—	—

EXAMINER <i>Len M. Dwyer</i>	DATE CONSIDERED <i>3-4-04</i>
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<i>Ent</i>	4,933,102	06/12/1990	Olson	—	—
	4,960,533	10/02/1990	Wisniewski et al.	—	—
	4,971,714	11/20/1990	Lokkesmoe et al.	—	—
	4,978,471	12/18/1990	Starch	—	—
	5,019,346	05/28/1991	Richier	—	—
	5,030,376	07/09/1991	Lee et al.	—	—
	5,061,392	10/29/1991	Bruegge et al.	—	—
	5,064,554	11/12/1991	Jacobs et al.	—	—
	5,064,561	11/12/1991	Rouillard	—	—
	5,066,425	11/19/1991	Ofose-Asante et al.	—	—
	5,156,794	10/20/1992	Nakanishi et al.	—	—
	5,198,198	03/30/1993	Gladfelter et al.	—	—
	5,234,615	08/10/1993	Gladfelter et al.	—	—
	5,254,284	10/19/1993	Barone et al.	—	—
	5,318,728	06/07/1994	Surutidis et al.	—	—
	5,382,377	01/17/1995	Rachse et al.	—	—
	5,397,506	03/14/1995	Groth et al.	—	—
	5,407,598	04/18/1995	Olson et al.	—	—
	5,437,809	08/01/1995	Chaudhuri	—	—
	5,439,609	08/08/1995	Paszek	—	—
	5,474,698	12/12/1995	Rolando	—	—
	5,500,154	03/19/1996	Bacon et al.	—	—
	5,536,436	07/16/1996	Prumod	—	—
	5,543,082	08/06/1996	McGee et al.	—	—
	5,560,748	10/01/1996	Surutidis et al.	—	—
	5,589,099	12/31/1996	Baum	—	—
	5,603,776	02/18/1997	Lentsch et al.	—	—
	5,880,088	03/09/1999	Lentsch et al.	—	—
	5,880,089	03/09/1999	Lentsch et al.	—	—
	6,060,444	05/09/2000	Lentsch et al.	—	—
<i>X</i>	6,164,296	12/26/2000	Lentsch et al.	—	—

EXAMINER <i>Lynn M. Luyon</i>	DATE CONSIDERED <i>3-4-04</i>
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Lmt	6,489,278	12/03/2002	Lentsch et al.	—	—	
	6,664,219	12/16/2003	Lentsch et al.	—	—	
✓	6,673,765	01/06/2004	Lentsch et al.	—	—	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
Lmt		0 163 352	12/04/1985	EP	—	—		
		0 234 082	09/02/1987	EP	—	—	X	
		0 266 200	05/04/1988	EP	—	—	X	
		0 312 278	04/19/1989	EP	—	—	X	
		0 786 515	07/30/1997	EP	—	—		
		1 553 610	10/03/1979	GB	—	—		
		2 106 928	04/20/1983	GB	—	—		
		2 200 365	08/03/1988	GB	—	—		
		2 245 908	01/15/1992	GB	—	—		
		63-168500	07/12/1988	JP	—	—	X	
		WO 93/07245	04/15/1993	PCT	—	—	X	
		WO 94/07980	04/14/1994	PCT	—	—		
		WO 95/18212	07/06/1995	PCT	—	—		
		WO 96/00274	01/04/1996	PCT	—	—		
	✓	WO 96/08553	03/21/1996	PCT	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
Lmt	SIWET [®] Surfactants, Union Carbide Chemicals and Plastics Company Inc. product brochure (Date Unknown).
	ABIL [®] B8842, ABIL [®] B88183, Goldschmidt Chemical Corporation product brochure (Date Unknown).
	Fluorad [™] Fluorochemical Surfactants, 3M product brochure (Date Unknown).
✓	Fluorad [™] Fluorochemical Surfactant FC-170c, 3M product brochure (Date Unknown).

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